

Appl. No. 10/711,999  
Amdt. dated July 12, 2006  
Reply to Office action of June 16, 2006

**Amendments to the Claims:**

**Claim 1 (currently amended):** A method for patterning a light guide plate comprising:

- (a) using laser beams to form a roughened surface with micro-mirror structures on a mold; and
- 5 (b) manufacturing the light guide plate with the mold.

**Claim 2 (currently amended):** The method of claim 1 wherein step (a) further-comprises using Nd-YAG laser beams to form the roughened surface on the mold.

10 **Claim 3 (currently amended):** The method of claim 1 wherein step (a) further-comprises using pulse laser beams to form the roughened surface on the mold.

15 **Claim 4 (currently amended):** The method of claim 1 further comprisescomprising adjusting a laser machining parameter for controlling roughness of the roughened surface on the mold.

**Claim 5 (canceled)**

20 **Claim 6 (currently amended):** The method of claim 1 wherein step (b) further-comprises manufacturing the light guide plate with the mold by injection molding.

**Claim 7 (currently amended):** The method of claim 1 wherein step (b) further-comprises manufacturing the light guide plate with the mold in-a-by thermoforming-method.

25 **Claim 8 (currently amended):** The method of claim 1 wherein step (b) further-comprises forming a rollover mold by rolling over the mold in an electroforming method and manufacturing the light guide plate with the rollover mold.

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Claim 9 (currently amended): ~~An edge-light backlight module comprising:~~  
~~a light source; and~~  
~~a light-guide plate installed on a lateral side of the light source, the~~~~A~~ light guide plate  
comprising:  
5 a light-guiding surface; and  
a bottom surface positioned below the light-guiding surface, the bottom surface  
being a roughened surface formed of micro-mirror structures.

Claim 10 (currently amended): ~~The edge-light backlight module~~~~light guide plate~~ of claim  
10 9 wherein the light-guiding surface is formed of linear prism structures.

Claim 11 (currently amended): ~~An edge-light backlight module comprising:~~  
~~a light source; and~~  
~~a light-guide plate installed on a lateral side of the light source, the~~~~A~~ light guide plate  
comprising:  
15 a light-guiding surface being a roughened surface formed of micro-mirror  
structures; and  
a bottom surface positioned below the light-guiding surface.